QUIET Shift Utility GUI Script Instructions
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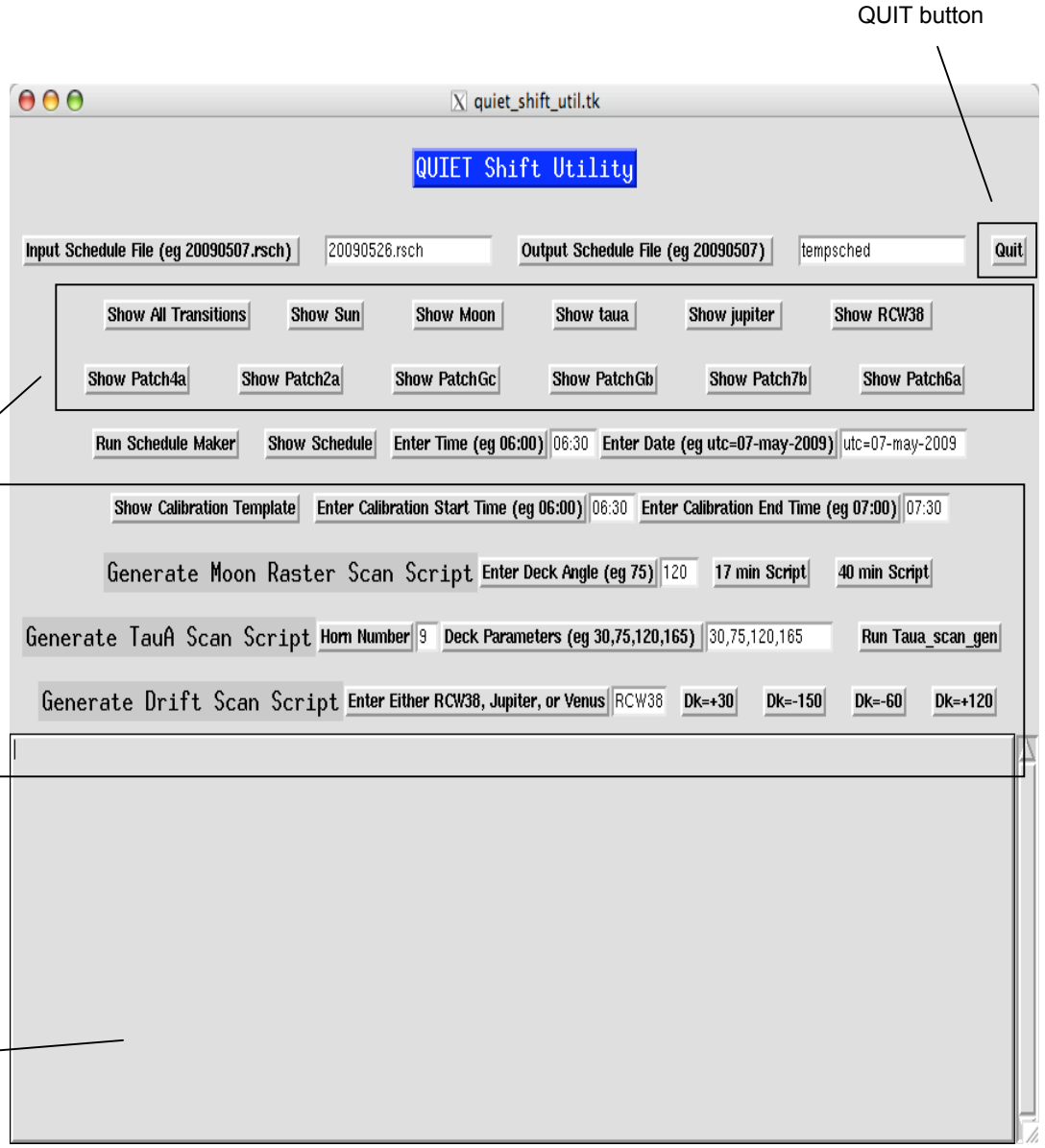
1. How to open the GUI QUIET Shift Utility Window

-Log into vela

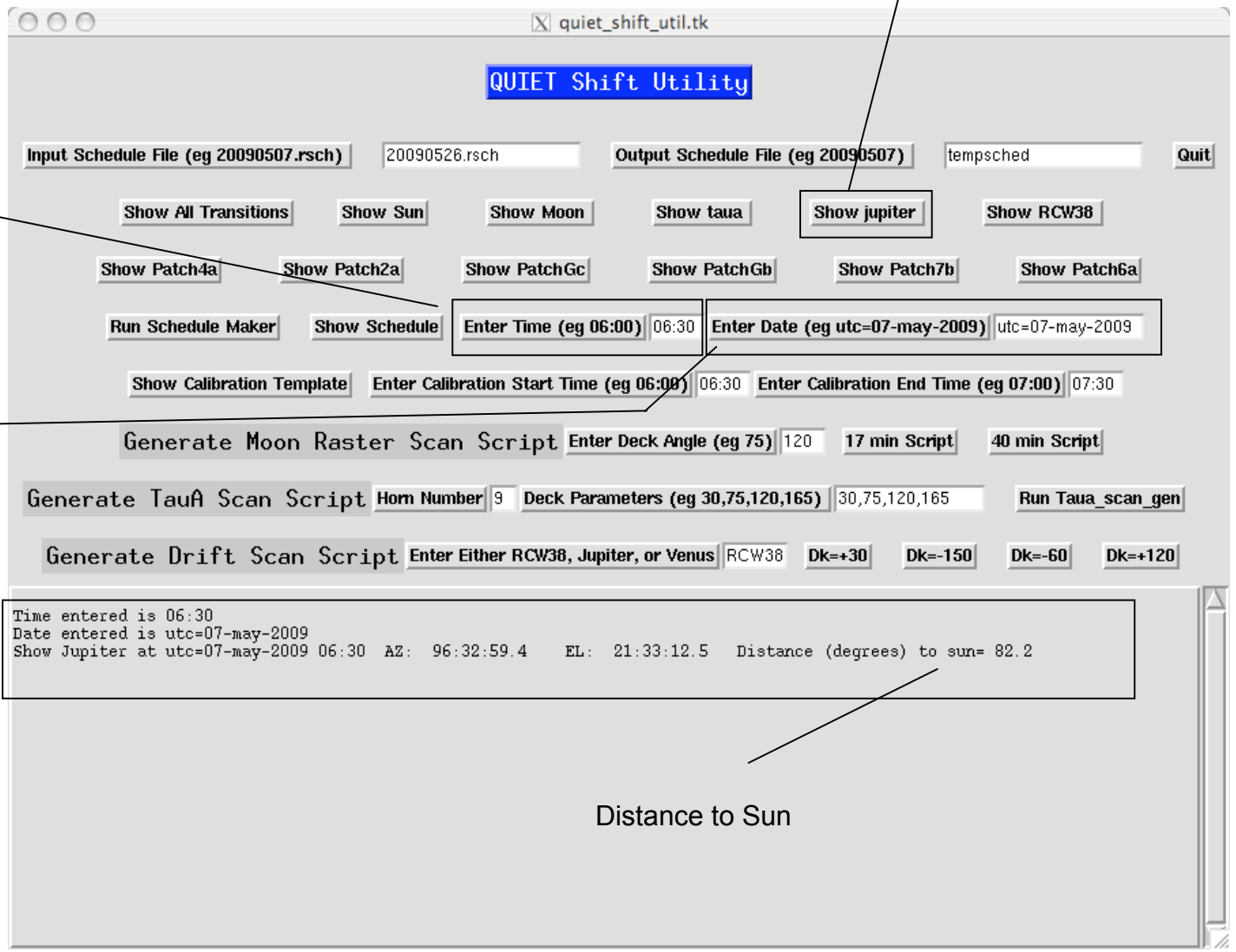
-go to the usual observing directory:
(i.e.) cd observing_plans/work

-type:

/home/observer/hogann/quiet_shift_utility.tk &



Example: Show AZ and EL of Jupiter at UTC = 6:30 May 07 2009



1. Enter time and then click button. Must use format as shown.

2. Enter date and then click button. Must use format as shown.

Output dialog area

Distance to Sun

Example: Buttons to interact with Akito's schedule maker script

2. This is the file that Akito's schedule maker script writes to. This is the file that gets submitted manually to the CBI desktop. Good practice to keep this file named "tempsched". When tempsched has been edited appropriately, then can rename to something like 20090507 in another linux window.

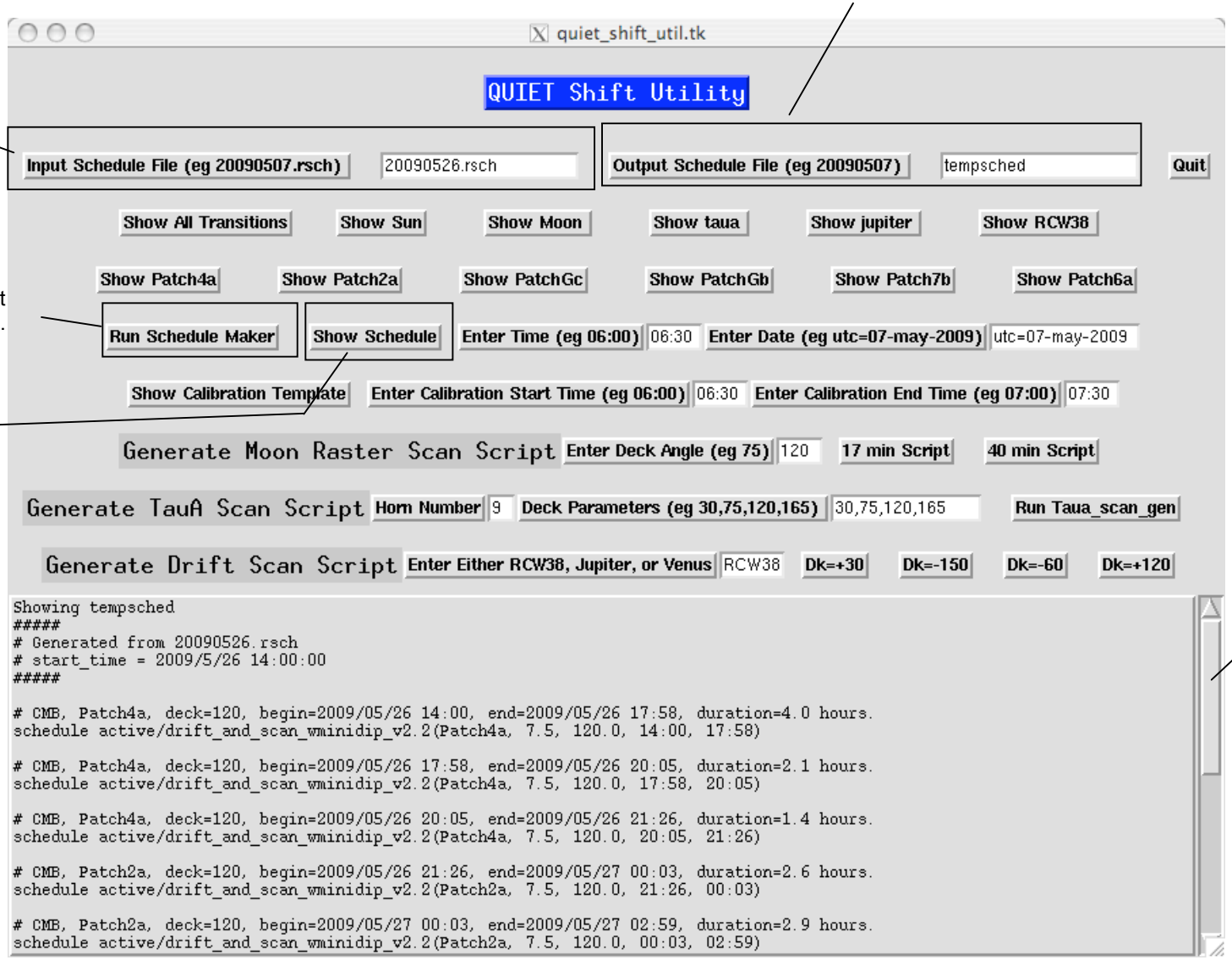
1. For entering the .rsch file

3. Run Akito's Schedule Maker Script on the .rsch file above.

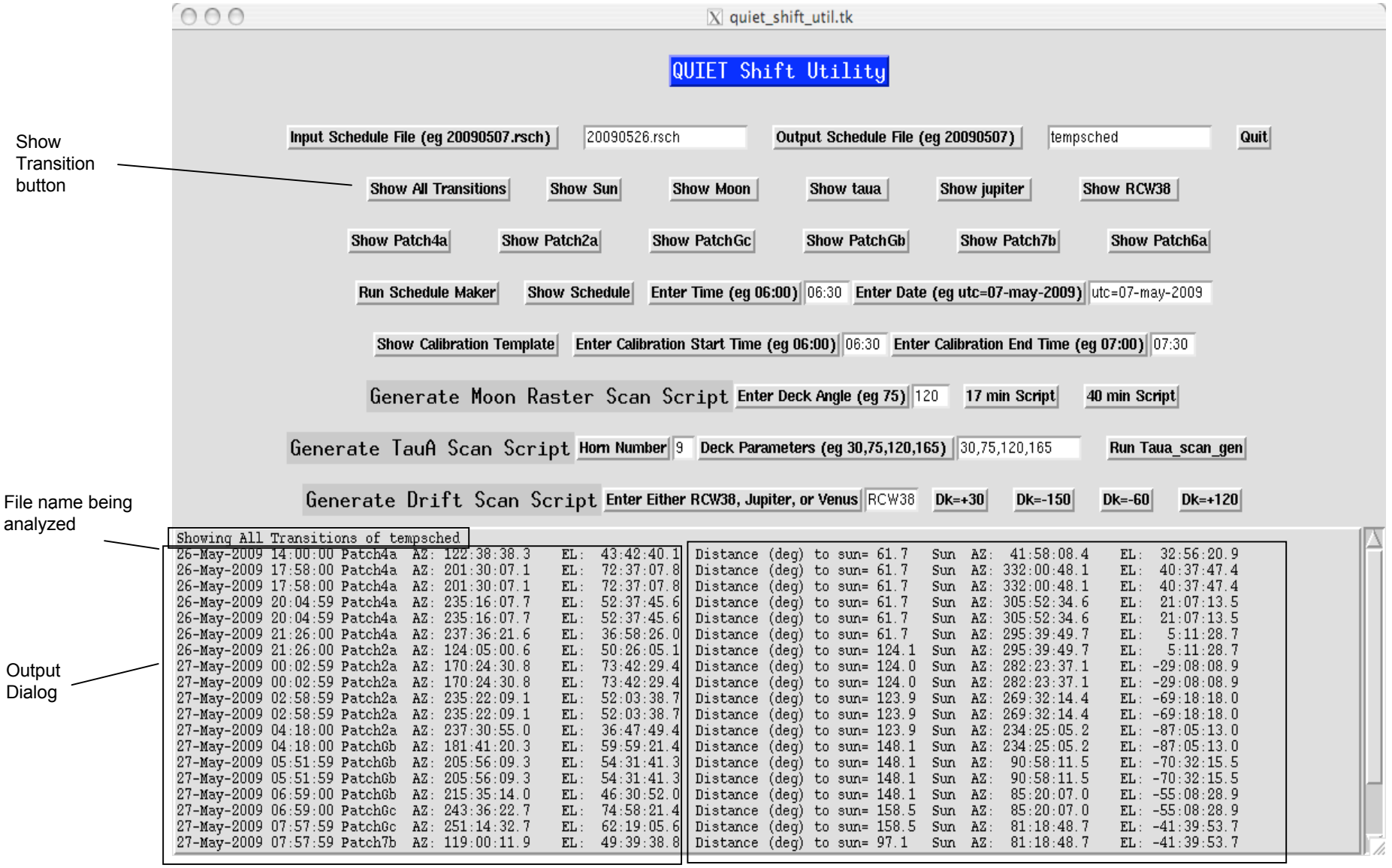
4. Shows the Output Schedule File, "tempsched" in this case

5. Output Dialog as result of clicking on "Show Schedule" Button

Scroll bar of Output Dialog Window



Example: Show AZ and EL of objects being viewed in the Output Schedule File (eg tempsched file). This is really useful for checking sun-avoidance, moon elevation, and whether "fixaz3" is needed.



Show Transition button

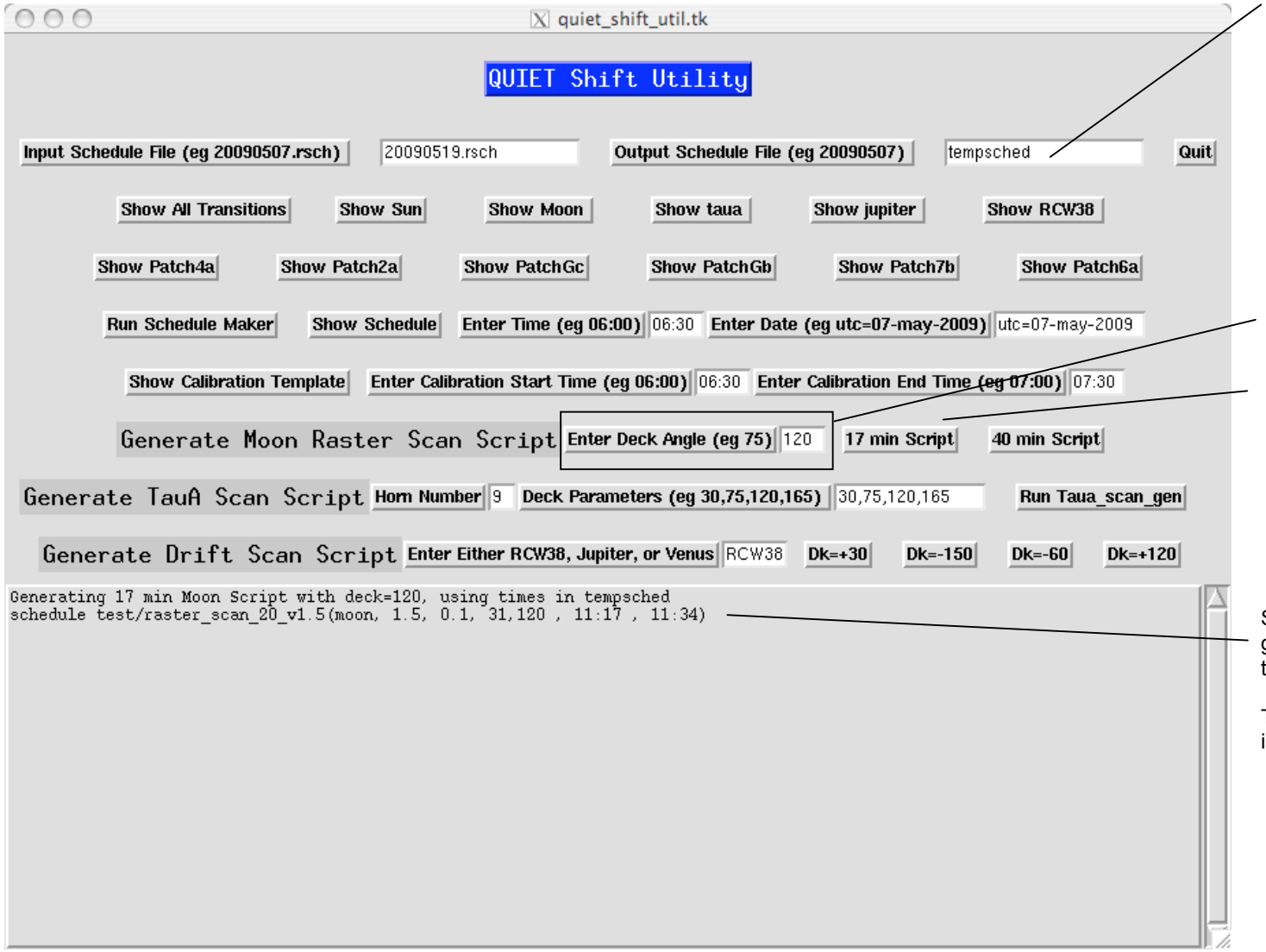
File name being analyzed

Output Dialog

Time, Object, and the Object's AZ and EL

Distance of each object to Sun, and the Sun's AZ and EL

Example: Akito's schedule maker does not generate calibration scripts. Use the buttons below to generate commands for Moon scans with the desired deck angle. Moon Scans are usually 17 minutes or 40 minutes.



1. Tempsched file requires a 17 minute moon scan with deck=120 and starting at 11:17

2. Select and enter deck=120 degrees

3. Click on "17 min Script Button"

Script commands are automatically generated with the CORRECT times.

This can be cut-and-pasted into the Tempsched file

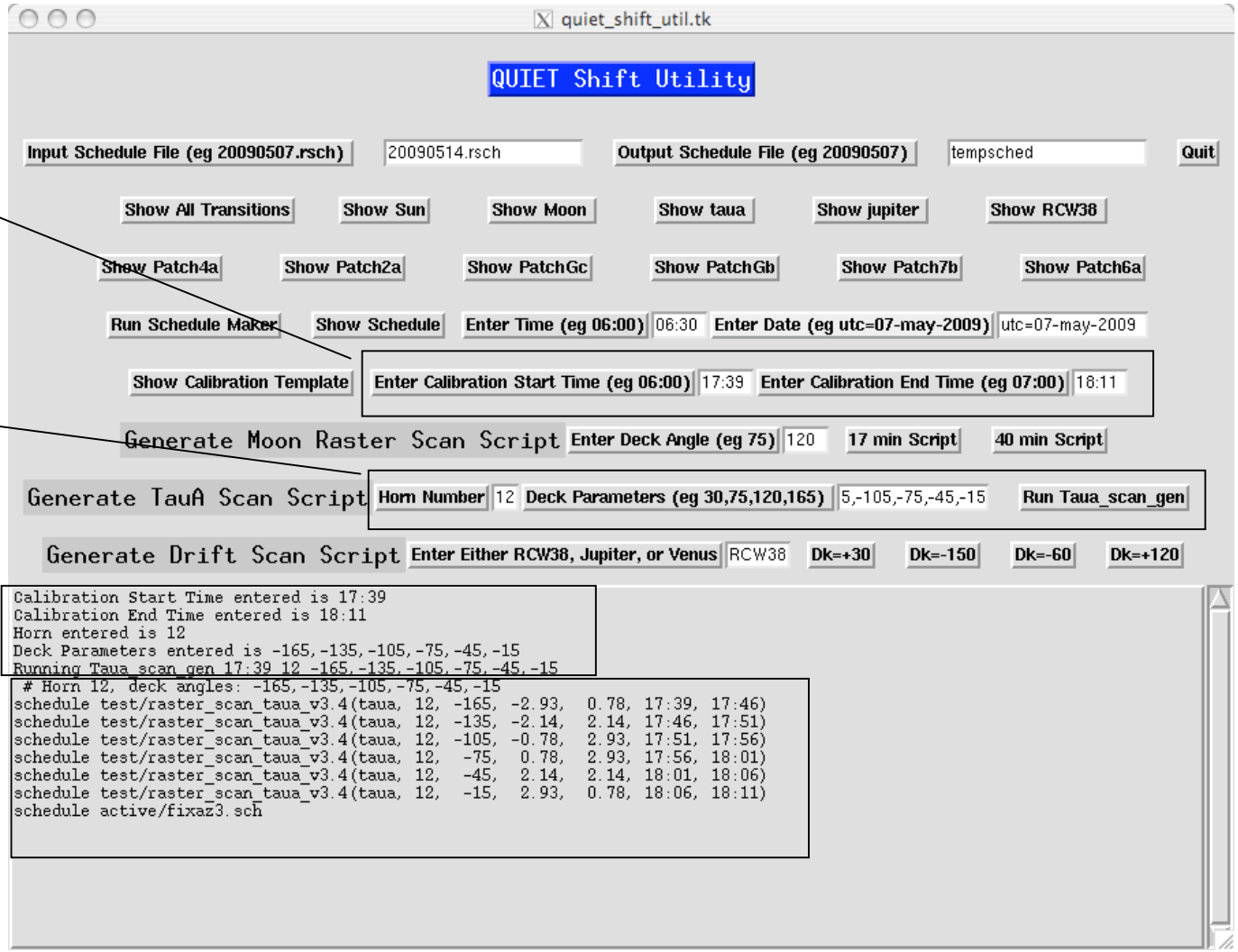
Generating Scripts for TauA, RCW38, Jupiter, Venus, is slightly more complicated.
Example: Use the buttons below to generate script for Tau A scan with decks=-165,-135,-105,-75,-45,-15 centered on horn 12.

1. Manually Enter the Start and Stop Times of the calibration

2. Enter the Horn number, and Deck Parameters, and click on "Run Taua_scan_gen"

3. Dialog showing what has been entered

4. Cut-and-paste this into Tempsched file. Fixaz3 is automatically generated.



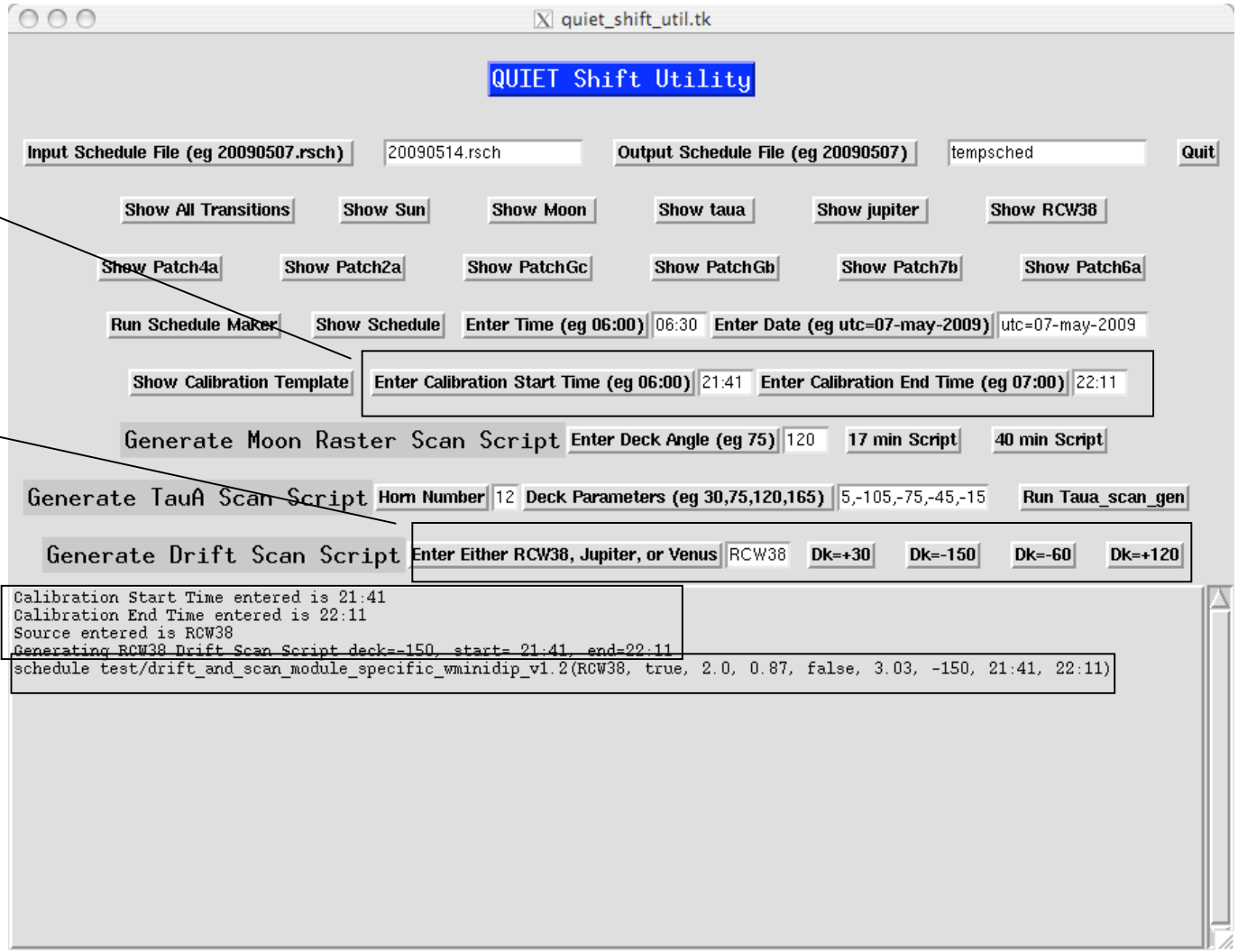
Example: Use the buttons below to generate Drift Scan Script for observing RCW38 with decks=-150

1. Manually Enter the Start and Stop Times of the calibration

2. Enter the Object to view (ie. RCW38) and Click on "Dk=-150"

3. Dialog showing what has been entered

4. Cut-and-paste this into Tempsched file.



Example:
For Useful Reference,
One can show the
calibration template
file.

1. Click on
"Show Calibration Template"